

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO		Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Application Number	10/753 479
		Filing Date	1/9/04
		First Named Inventor	Kia Silverbrook
		Art Unit	2853
		Examiner Name	ANJ H. DO
Sheet 1 of 7	Attorney Docket Number	ZE004US	

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No. 1	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-5,719,602 *	Feb 17, 1998	Hackeman et al	
		US-6,312,114 *	Nov 6, 2001	Silverbrook	
		US-4,706,130 *	Nov 10, 1987	Yamakawa	
		US-4,947,192 *	Aug 7, 1990	Hawkins et al	
		US-5,107,276 *	Apr 21, 1992	Kneezel et al	
		US-5,160,945 *	Nov 3, 1992	Drake	
		US-5,412,410 *	May 2, 1995	Rezanka	
		US-5,867,183 *	Feb 2, 1999	Cornell et al	
		US-5,218,754 *	Jun 15, 1993	Rangappan	
		US-5,565,900 *	Oct 15, 1996	Cowger et al	
		US-5,057,854 *	Oct 15, 1991	Pond et al	
		US-6,007,187	Dec 28, 1999	Kashino et al	
		US-5,898,155	Apr 20, 1999	Lebens et al	
		US-5,812,159	Sep 22, 1998	Anagnostopoulos et al	
		US-4,855,567	Aug 8, 1989	Mueller	
		US-5,719,604	Feb 17, 1998	Inui et al	
		US-5,666,141	Sep 9, 1997	Matoba et al	
		US-4,672,398	Jun 9, 1987	Kuwabara et al	
		US-4,737,802	Apr 12, 1988	Mielke	
		US-5,029,805	Jul 9, 1991	Albarda et al	
		US-5,258,774	Nov 2, 1993	Rogers	
		US-4,553,393	Nov 19, 1985	Ruoff	
		US-4,864,824	Sep 12, 1989	Gabriel et al	
		US-4,423,401	Dec 27, 1983	Mueller	

FOREIGN PATENT DOCUMENTS					
Examiner Initials	Cite No. 1	Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		JP 40400105A *	Jan 6, 1992	Komal	
		WO 01/42020 *	Jun 14, 2001	Silverbrook	
		EP 0-842-777-B1 *	May 20, 1998	Canon Kabushiki	
		EP 0-713-774	May 29, 1996	Sharp Kabushiki Kaisha	
		DE 195 16 997	Nov 16, 1995	Sharp K.K.	
		DE 196 23 620	Dec 19, 1996	Sharp K.K.	
		JP 2-108544 (Abstract)	Apr 20, 1990	Seiko Epson Corp	
		JP 2-92643 (Abstract)	Apr 3, 1990	Seiko Epson Corp	
		JP 4-353458 (Abstract)	Dec 8, 1992	Brother Ind Ltd	
		JP 6-91865 (Abstract)	Apr 5, 1994	Seikosha Co Ltd	
		JP 6-91868 (Abstract)	Apr 5, 1994	Seikosha Co Ltd	
		JP 2-265752 (Abstract)	Oct 30, 1990	Matsushita Electronic Ind Co Ltd	

Examiner Signature	<i>Anjul</i>	Date Considered	5/24/04
--------------------	--------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

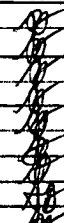
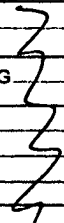
PLEASE NOTE -

* Copies not attached as previously submitted to or cited by the USPTO in PARENT application US 10/120,351

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO			Complete if Known		
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	10/753,479	
			Filing Date	1/9/04	
			First Named Inventor	Kia Silverbrook	
			Art Unit	2853	
			Examiner Name	AN H. DO	
Sheet	2	of	7	Attorney Docket Number	ZE004US

U.S. PATENT DOCUMENTS					
Examiner Initials ⁵	Cite No. ¹	Document Number Number - Kind Code ² (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			
		US-			

FOREIGN PATENT DOCUMENTS							
Examiner Initials ⁵	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴ - Kind Code ⁶ (if known)				
		EP 0 634 273		Jan 18, 1995	Sharp Kabushiki Kaisha		
		DE 195 32 913		Mar 28, 1996	Sharp K.K.		
		JP-58-112747-(Abstract)		Jul-5,-1983	Fujitsu-KK		
		DE 43 28 433		Mar. 2, 1995	Heidleberger Druckmaschinen AG		
		JP 61 025849 (Abstract)		Feb 4, 1986	Canon Inc		
		JP 01 128839 (Abstract)		May 22, 1989	Ricoh Co Ltd		
		JP 04 126255 (Abstract)		Apr 27, 1992	Seiko Epson Corp		
		GB 2 262 152		June 9, 1993	Willet Int Ltd		
		DE-195-16-997		Nov-16,-1995	Sharp-K.K.		
		JP 05 318724 (Abstract)		Dec 3, 1993	Seikosha Co.Ltd		
		JP 02 162049 (Abstract)		Jun 21, 1990	Seiko Epson Corp		
		DE 32 45 283		Jun 7, 1984	Siemens AG		

Examiner Signature	<i>Andrew</i>	Date Considered	5/24/04
--------------------	---------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PLEASE NOTE -

* Copies not attached as previously submitted to or cited by the USPTO in PARENT application US 10/120,351


U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	101753, 479
				Filing Date	1/19/04
				First Named Inventor	Kia Silverbrook
				Art Unit	2853
				Examiner Name	AN H. DO
				Attorney Docket Number	ZE004US
Sheet	3	of	7		

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.†	Foreign Patent Document Country Code 3 - Number 4 - Kind Code 5* (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		JP 04 368851 (Abstract)	Dec 21, 1992	Seiko Epson Corp		
		JP 02 158348 (Abstract)	Jun 18, 1990	Minolta Camera Co Ltd		
		JP 03-112662 (Abstract)	May-14, 1991	Seiko-Epson-Corp		
		JP 03.653348 (Abstract)	Mar. 20, 1991	Matsushita Electric Ind. Co		
		EP 0 431 338	Jun 12, 1991	Matsushita Electric Ind Co		
		JP 01 257058	Oct 13, 1989	Seiko Epson Corp		
		DE 195 17 969	Nov 30, 1995	Sharp K.K		
		DE 196 39 717	Apr 17, 1997	Sharp K:K		
		EP 0-737-580	Oct-16, 1996	Canon-K:K		
		EP 0.882.590	Dec.9, -1998	Canon-K.K.		
		EP 0 478 956	Apr 8, 1992	Kemforschungszz Karlsruhe GMBH		
		DE 1 648 322	Mar 24, 1971	VDO Tachometerwerke GMBH		

Examiner Signature		Date Considered	5/24/04
-----------------------	---	--------------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

compliance and not considered. Indicate copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 801.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard 2.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard 2.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

PLEASE NOTE -


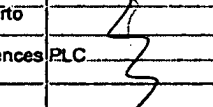
* Copies not attached as previously submitted to or cited by the USPTO in PARENT application US 10/120,351

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO			Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)			Application Number	101 753 479
			Filing Date	1/9/04
			First Named Inventor	Kla Silverbrook
			Art Unit	2853
			Examiner Name	AAJ H. DO
			Attorney Docket Number	ZE004US
Sheet	4	of	7	

[illegible]

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No.¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code³ -Number⁴ -Kind Code⁵ (if known)				
		GB 1 428 239	Mar 17, 1976	Cible Projecteurs		
		DE 39 34 280	Apr 26, 1990	CAE di Cipolletti Alberto		
		DE-29 05 063	Aug-14,-1980	Olympia-Werke AG		
		WO 94.18010	Aug.18., 1994	Domino Printing Sciences PLC		
		EP 0 398 031	Nov 22, 1990	Seiko Epson Corp		
		EP 0 427 291	May 15, 1991	Seiko Epson Corp		
		JP 01 115639 (Abstract)	May 8, 1989	Ricoh Co Ltd		
		JP 58-116165 (Abstract)	Jul'11, 1983	Canon K:K		
		EP 0-627-314	Dec-7,-1994	Olivetti-Canon-Ind-SPA		
		JR.61.268453 (Abstract)	Nov.27,-1986	Olympus Optical Co.Ltd		
		JP 04 118241 (Abstract)	Apr.20., 1992	Seiko Epson Corp		
		EP 0 506 232	Sep 30, 1992	Videojet Systems Int, Inc		

Examiner Signature		Date Considered	5/24/04
-----------------------	---	--------------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

PLEASE NOTE -

* Copies not attached as previously submitted to or cited by the USPTO in PARENT application US 10/120,351

Substitute for form 1448A/PTO

(use as many sheets as necessary)

Sheet 5 of 7

Complete if Known

Application Number	10/753 4/9
Filing Date	1/9/04
First Named Inventor	Kia Silverbrook
Art Unit	2853
Examiner Name	AN H. DO
Attorney Docket Number	ZE004US

[illegible]

Examiner Initials	Cite No. 1	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T
		Country Code 3 - Number 6 - Kind Code 8 (if known)				
JP JP WO JP EP JP JP JP JP GB EP JP		JP 07 314865 (Abstract)	Dec 5, 1995	Canon Inc	2	
		JP 03 180350	Aug 6, 1991	Seiko Epson Corp		
		WO 97-12689	Apr 10, 1997	The Board of Trustees of the Leland Stanford University		
		JP 02 050841 (Abstract)	Feb 20, 1990	Seiko Epson Corp		
		EP 0 510 648	Oct 28, 1992	Avri Yehuda		
		JP 05 28765 (Abstract)	Oct 29, 1993	Canon Inc		
		JP 04 141429 (Abstract)	May 14, 1992	Seiko Epson Corp		
		JP 01-105746 (Abstract)	Apr 24, 1989	Ricoh Co. Ltd		
		GB 792,145	Mar 19, 1958	Technograph Printed Circuits Ltd		
		EP 0 750 993	Jan 2, 1997	Canon K.K		
		JP 01 308254 (Abstract)	Dec 11, 1989	Seiko Epson Corp		

**Examiner
Signature**

Date Considered

5/24/04

1 Applicant's name and address. 2 Indicate year of the document under the appropriate column. 3 Applicant's unique citation designation number (optional). 4 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 5 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 6 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 7 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 8 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

* Copies not attached as previously submitted to or cited by the USPTO in PARENT application US 10/120,351

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/753 479
				Filing Date	1/19/04
				First Named Inventor	Kia Silverbrook
				Art Unit	2853
				Examiner Name	AN H. DO
				Attorney Docket Number	ZE004US
Sheet	6	of	7		

[illegible][illegible]

Examiner Signature	<i>Shih</i>	Date Considered	5/24/04
--------------------	-------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. **DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.**

PLEASE NOTE -

* Copies not attached as previously submitted to or cited by the USPTO in PARENT application US 10/120,351

Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(use as many sheets as necessary)</i> Sheet <u>7</u> of <u>7</u>		Complete if Known Application Number <u>10/753 479</u> Filing Date <u>1/9/04</u> First Named Inventor <u>Kia Silverbrook</u> Group Art Unit <u>2853</u> Examiner Name <u>AN H. DO</u> Attorney Docket Number <u>ZE004US</u>
---	--	--

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		*NOWOROLSKI, J. MARK et al, "Process for in-plane and out-of-plane single-crystal-silicon thermal microactuators". Sensors and Actuators, A, CH, Elsevier-Sequoia S.A., Lausanne, Vol. 55, no. 1, 15 July 1996, pp 65-69, XP004077979 ISSN: 0924-4247.	1
		*ATAKA, MANABU et al, "Fabrication and Operation of Polyimide Bimorph Actuators for Ciliary Motion System". Journal of Microelectromechanical Systems, US, IEEE Inc. New York, Vol. 2, no. 4, 1 December 1993, pp 146-150, XP000443412, ISSN: 1057-7157.	1
		*YAMAGATA, YUTAKA et al, "A Micro Mobile Mechanism Using Thermal Expansion and its Theoretical Analysis". Proceeding of the workshop on micro electro mechanical systems (MEMS), US, New York, IEEE, Vol. Workshop 7, 25 January 1994, pp 142-147, XP000528408, ISBN: 0-7803-1834-X.	1

Examiner Signature <u></u>	Date Considered <u>5/24/04</u>
----------------------------	--------------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Burden Hour Statement: This form is estimated to take 2.0 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

PLEASE NOTE -

* Copies not attached as previously submitted to or cited by the USPTO in PARENT application US 10/120,351